

AMENDMENTS TO THE CLAIMS

This listing replaces all prior versions, and listings, of claims in the application:

1. (Currently Amended): An air conditioning apparatus for a vehicle, comprising:

- a coolant cycle including, in order, a compressor for compressing a coolant, an outdoor-side coolant heat exchanger for exchanging heat of the coolant compressed by the compressor with ambient air, an expansion unit for expanding the coolant after heat exchange at the outdoor-side coolant heat exchanger, an indoor-side coolant heat exchanger for exchanging heat of the coolant expanded by the expansion unit with air conditioning wind supplied into a vehicle cabin, and a piping ~~connecting~~ that returns the cycle to the compressor, wherein the coolant heat exchangers and the expansion unit are in communication with each other;
- a water-coolant heat exchanger arranged between the compressor and the outdoor-side coolant heat exchanger to exchange heat of the coolant discharged from the compressor with cooling water of a power source for driving the vehicle;
- a flow-path switching unit for selectively introducing the coolant discharged from the compressor to either a flow path for the water-coolant heat exchanger or another flow path to avoid the water-coolant heat exchanger;
- a detection unit for detecting a temperature of the cooling water flowing into the power ~~source; and~~ source;
- a control unit for controlling the flow-path switching unit ~~in a manner such~~ such that the coolant discharged from the compressor either is introduced to the water-coolant heat exchanger when the temperature of the cooling water is equal to or less than a predetermined temperature ~~and that the coolant discharged from the compressor~~ or avoids the water-coolant heat exchanger when the temperature of the cooling water is more than the ~~predetermined temperature~~ temperature;
- a heating expansion unit arranged between the water-coolant heat exchanger and the outdoor-side coolant heat exchanger to expand the coolant supplied to the outdoor-side coolant heat exchanger; and
- an expansion switching unit for selectively introducing the coolant supplied into the outdoor-side coolant heat exchanger to either a flow path for the heating expansion unit or another flow path to avoid the heating expansion unit.

2. (Currently Amended): The air conditioning apparatus for the vehicle of claim 1, further comprising:

~~another a first expansion switching unit for selectively introducing the coolant supplied into the indoor-side coolant heat exchanger to either a flow path for the expansion unit or another flow path to avoid the expansion unit; unit;~~  
~~a heating expansion unit arranged between the water-coolant heat exchanger and the outdoor-side coolant heat exchanger to expand the coolant supplied to the outdoor-side coolant heat exchanger; and~~  
~~a second expansion switching unit for selectively introducing the coolant supplied into the outdoor-side coolant heat exchanger to either a flow path for the heating expansion unit or another flow path to avoid the heating expansion unit.~~

3. (Original): The air conditioning apparatus for the vehicle of claim 1, further comprising a heat-exchanger switching unit for selectively introducing the coolant after heat exchange at the outdoor-side heat exchanger to either a flow path for the indoor-side coolant heat exchanger or another flow path to avoid the indoor-side coolant heat exchanger.

4. (Original): The air conditioning apparatus for the vehicle of claim 1, further comprising an internal heat exchanger that performs heat exchange between the coolant discharged from the outdoor-side coolant heat exchanger and the coolant flowing into the compressor.

5. (Original): The air conditioning apparatus for the vehicle of claim 1, wherein the power source for driving the vehicle comprises an engine.